

Flight Experience and Aircrew Factor Mishap Rates

The following charts and notes display relationships between pilots' flight experience and aircrew factor mishap rates.

Flight experience is measured in:

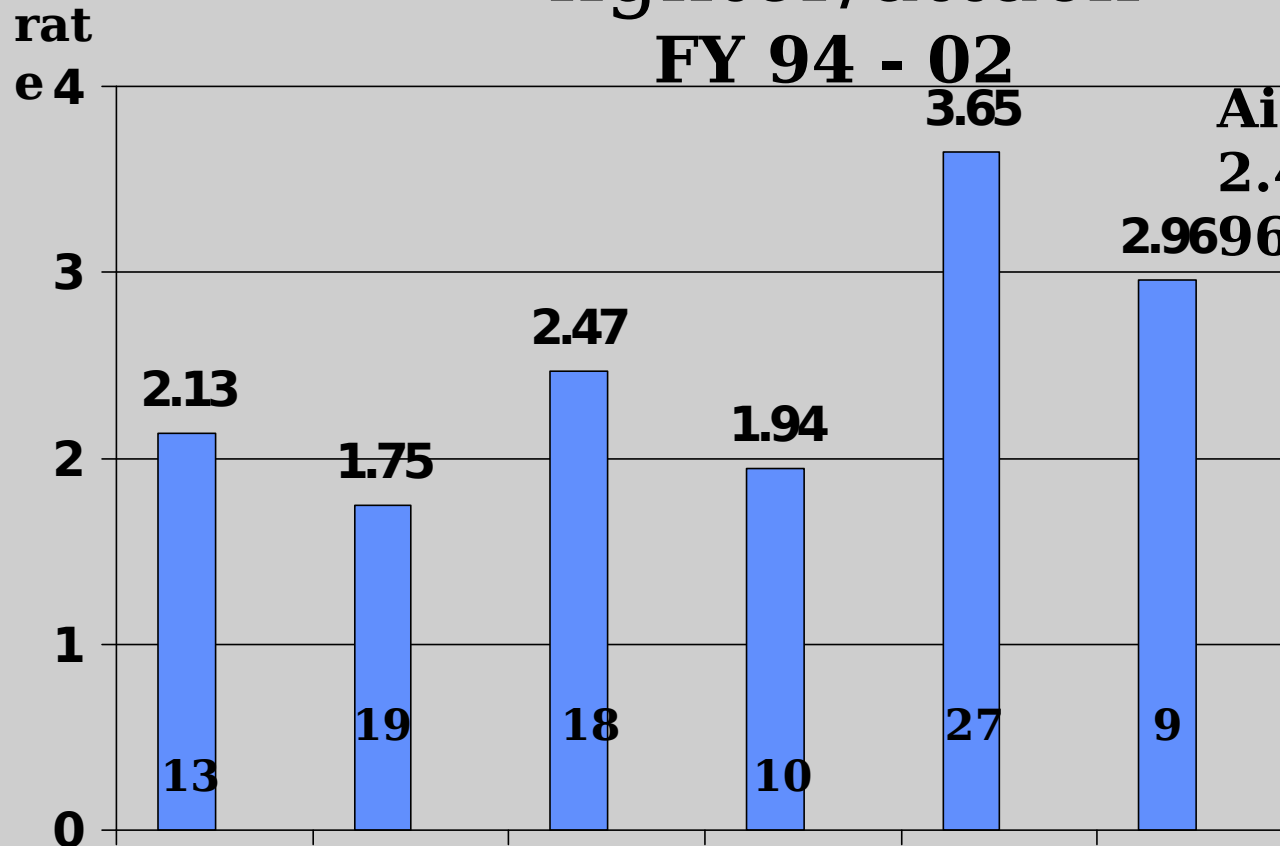
**total lifetime hours
model lifetime hours**

**The rate for a given experience level is equal to the number of aircrew factor mishaps for which the pilot has that experience level
per 100,000 hours flown at that
experience level.**

total lifetime hours vs aircrew factor mishap rates fighter/attack

FY 94 - 02

**Aircrew rate =
2.41
2.9696 pilots**



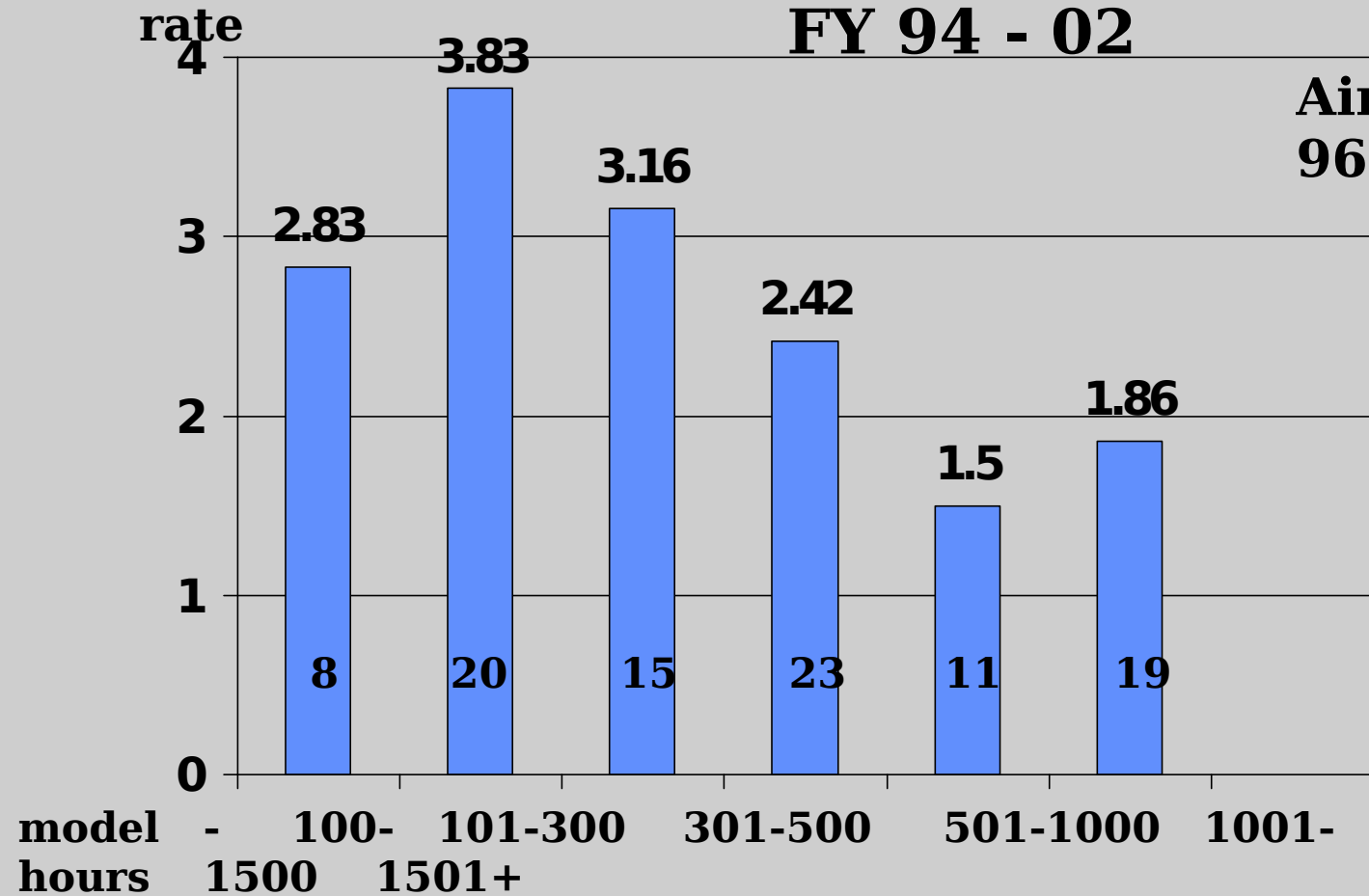
total hours 500- 501-1000 1001-1500 1501-2000 2001-3000 3001+

pilots at fault in class A flight mishaps; numbers inside bars

model lifetime hours vs aircrew factor mishap rates fighter/attack

FY 94 - 02

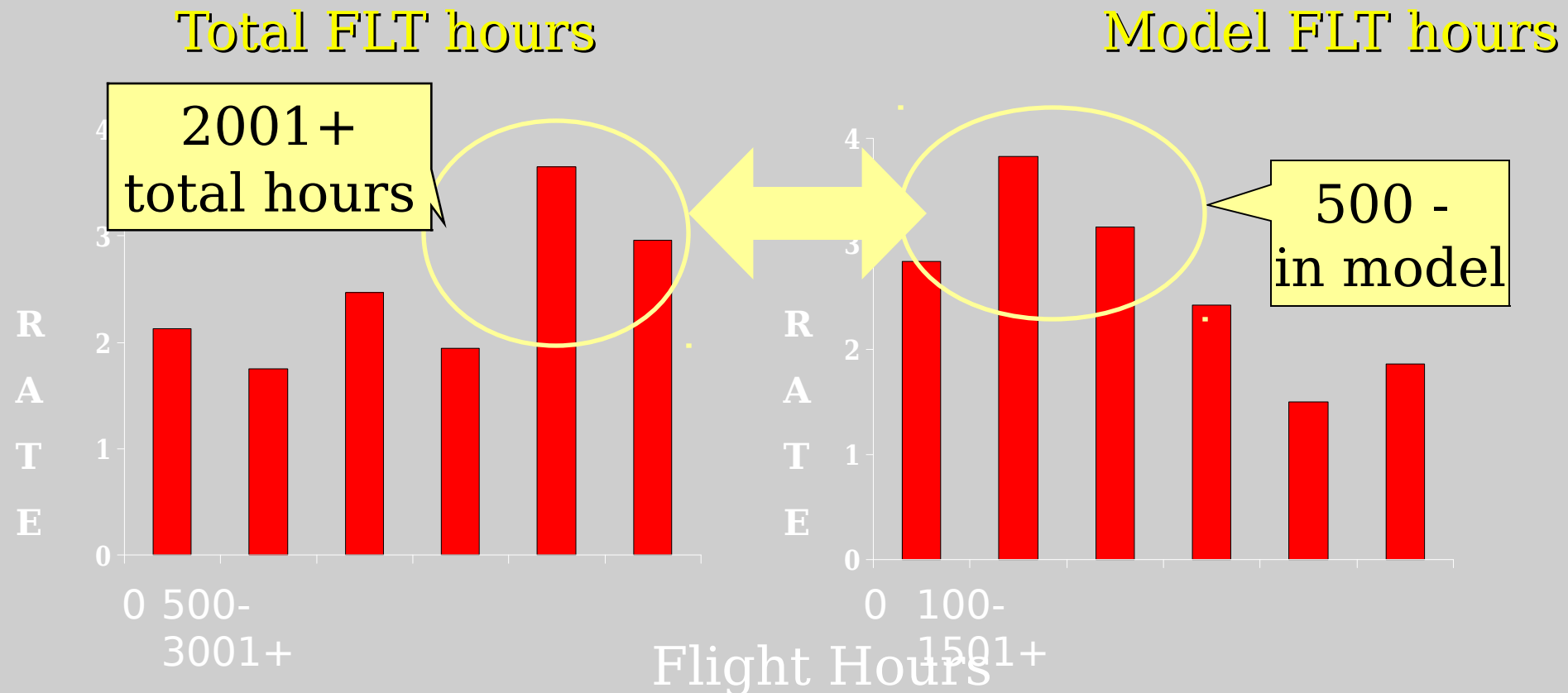
**Aircrew rate = 2.41
96 pilots**



model hours - 100-1500 1501-300 301-500 501-1000 1001-1501+
rate
4
3
2
1
0
8
20
15
23
11
19
2.83
3.83
3.16
2.42
1.5
1.86
Aircrew rate = 2.41
96 pilots
FY 94 - 02
model lifetime hours vs aircrew
factor mishap rates
fighter/attack

Total & Model FLT hours vs aircrew factor mishap rates (fighter/attack)

FY 94 - 02 (96 Pilots)



Navy/Marine Fighter/Attack

High Risk Pilots

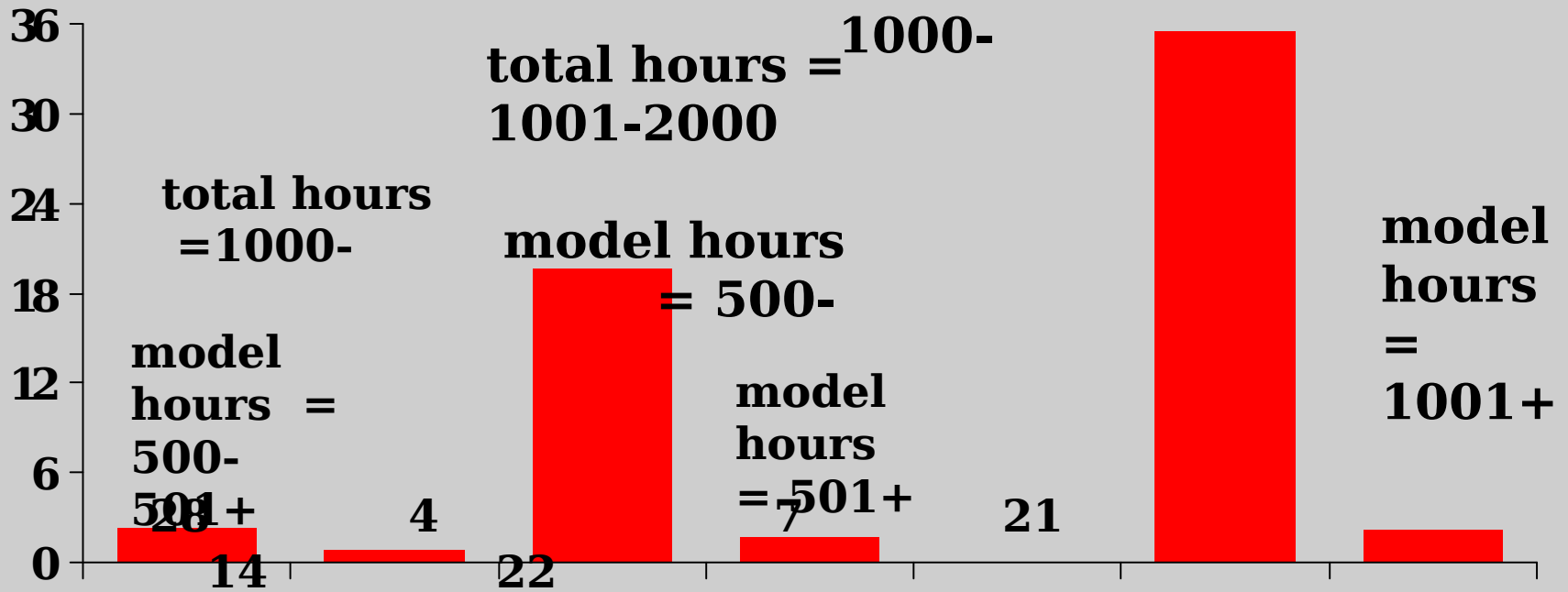
Aircrew
error rate
= 2.41

FY94-96 pilots
total hours

= 2001+

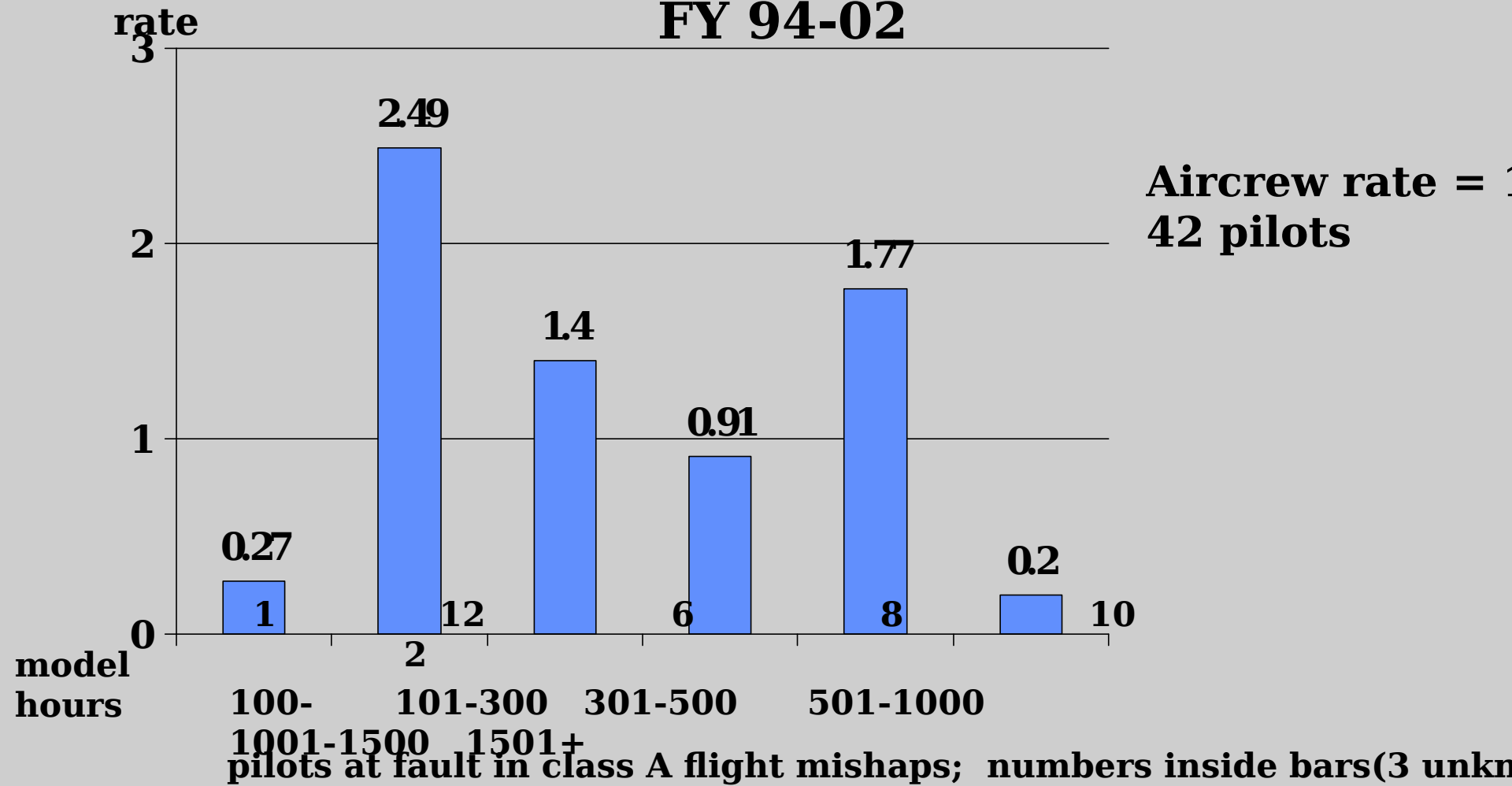
rate

model
hours =



Rate is per 100,000 flight hours; numbers inside bars represent number of pilots at fault in class A flight mishaps

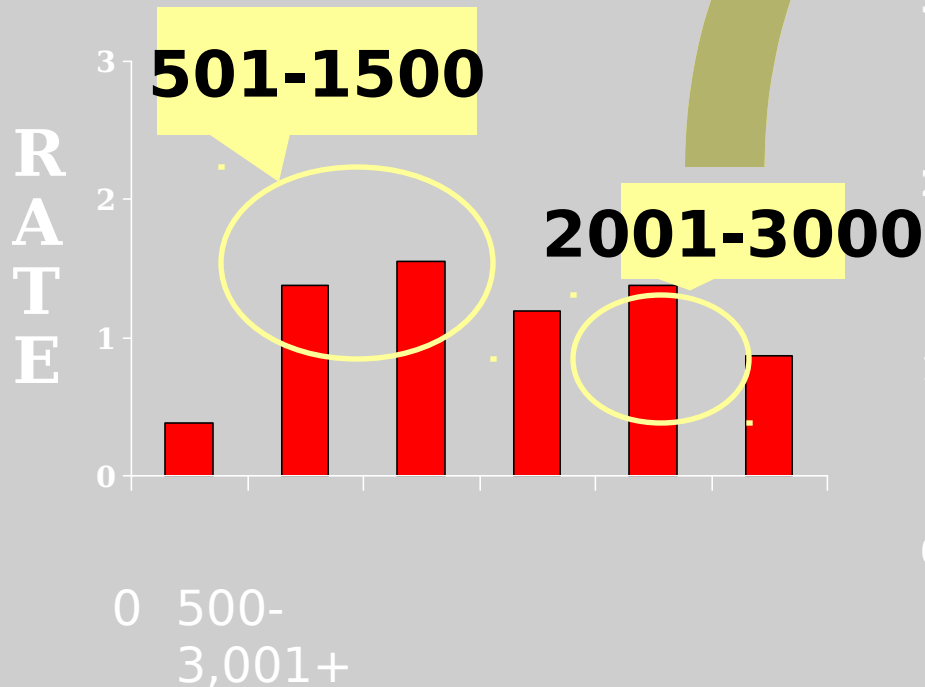
model lifetime hours vs aircrew factor mishap rates helicopter FY 94-02



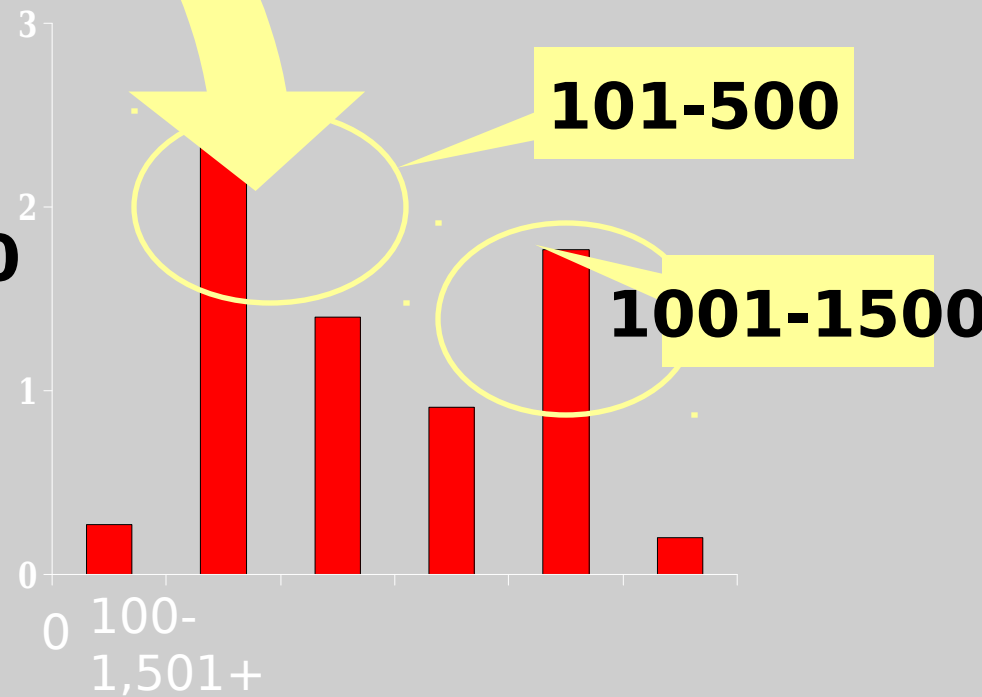
Total & Model FLT hours vs aircrew factor mishap rates (helicopter)

FY 94-02 (42 Pilots)

Total FLT hours



Model FLT hours



Flight Hours

Navy/Marine Helicopter

High Risk Pilots

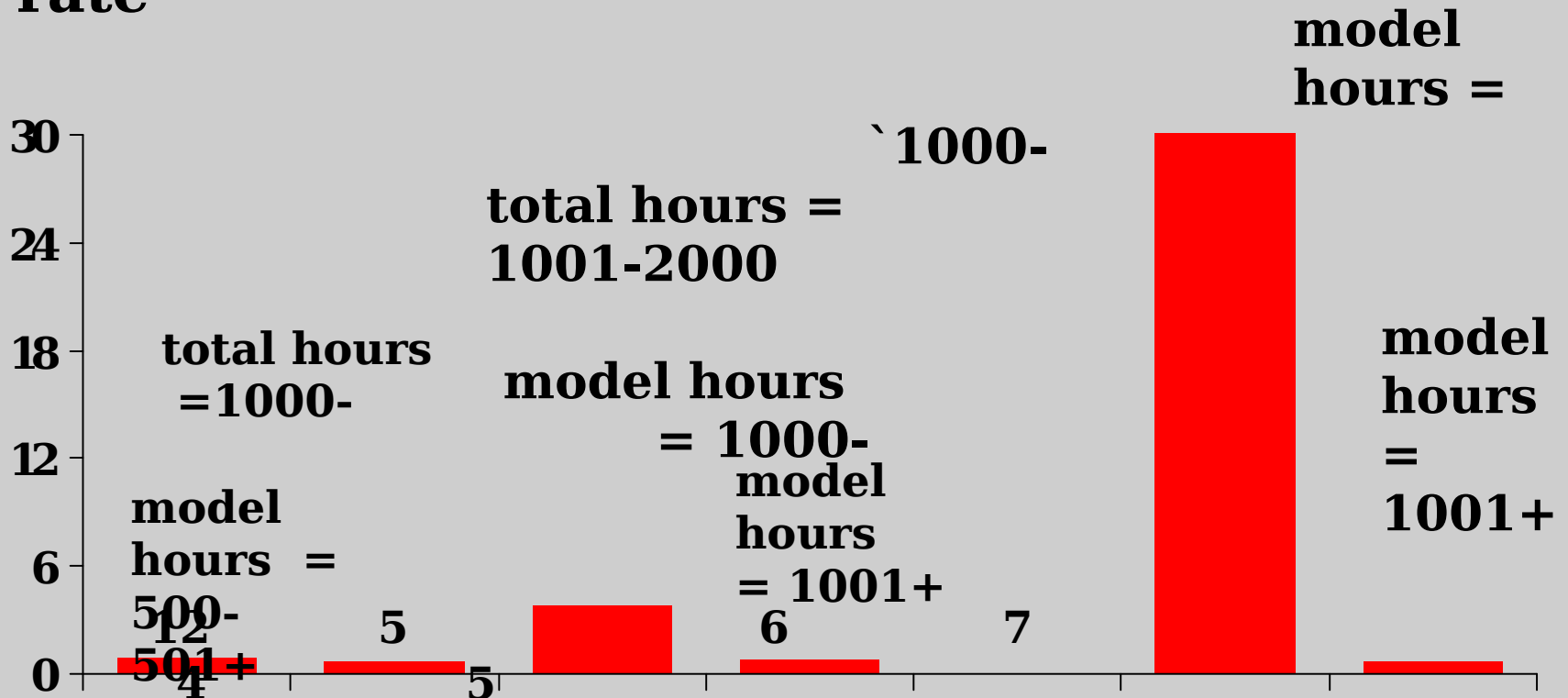
Aircrew
error rate

= 1.12

FY94-02 pilots
total hours

= 2001+

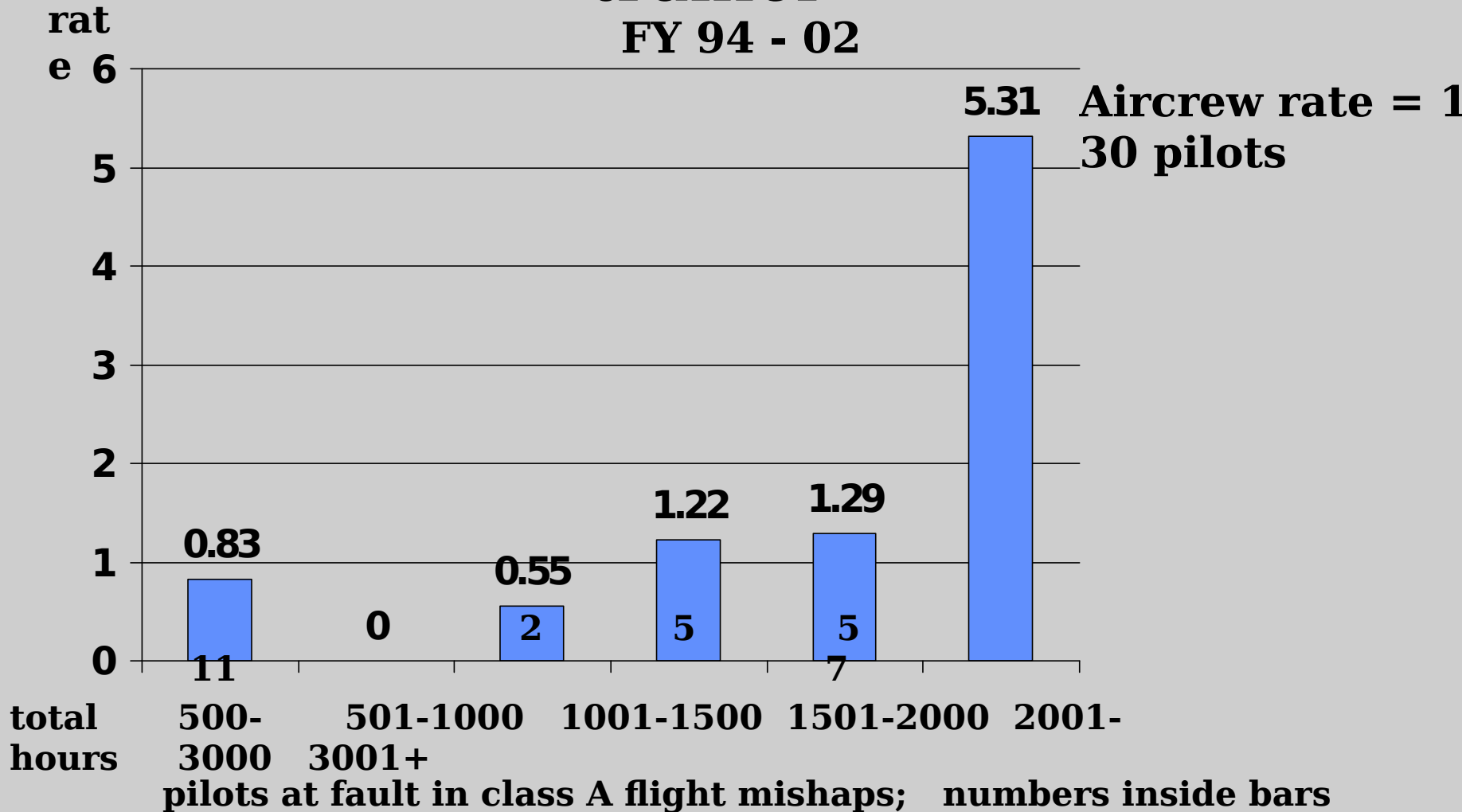
rate



Rate is per 100,000 flight hours; numbers inside bars represent number of pilots at fault in class A flight mishaps(3 unknown total x model

trainer

FY 94 - 02

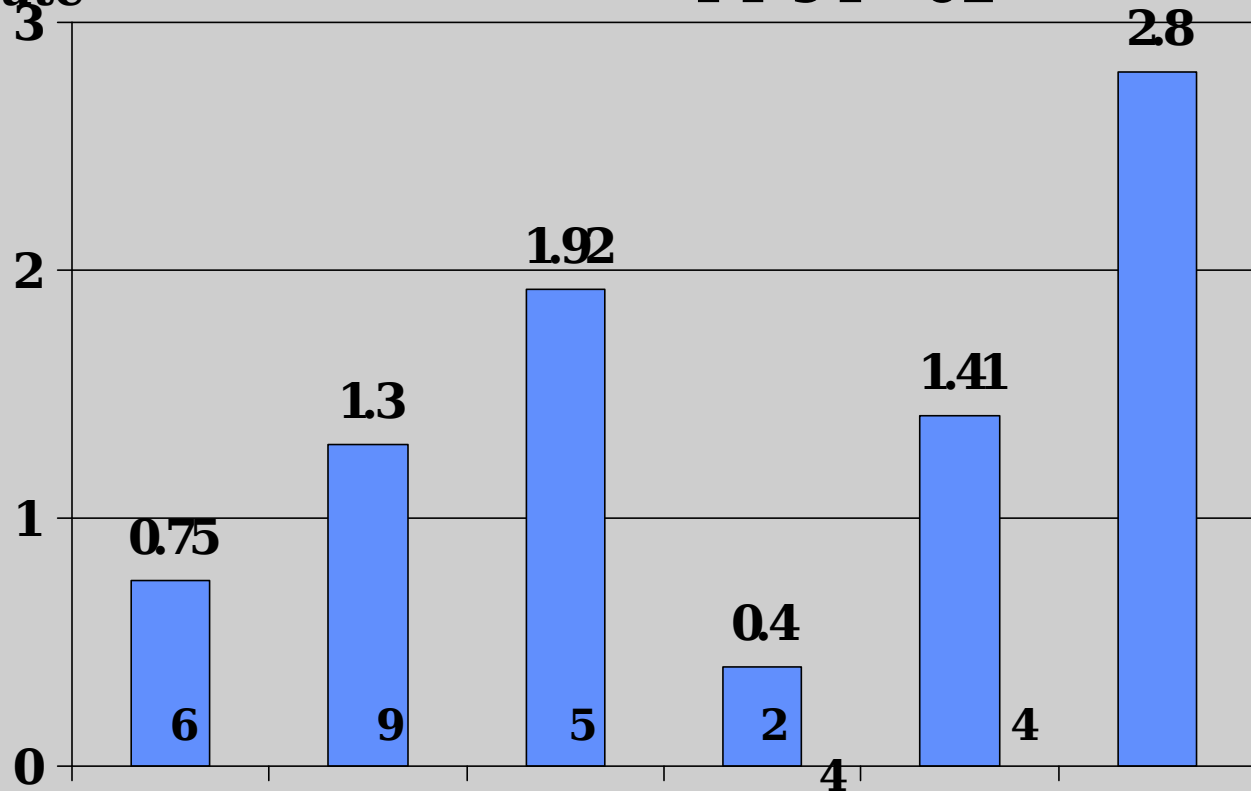


model lifetime hours vs aircrew factor mishap rates trainer

FY 94 - 02

rate

Aircrew rate = 1
30 pilots



model
hours

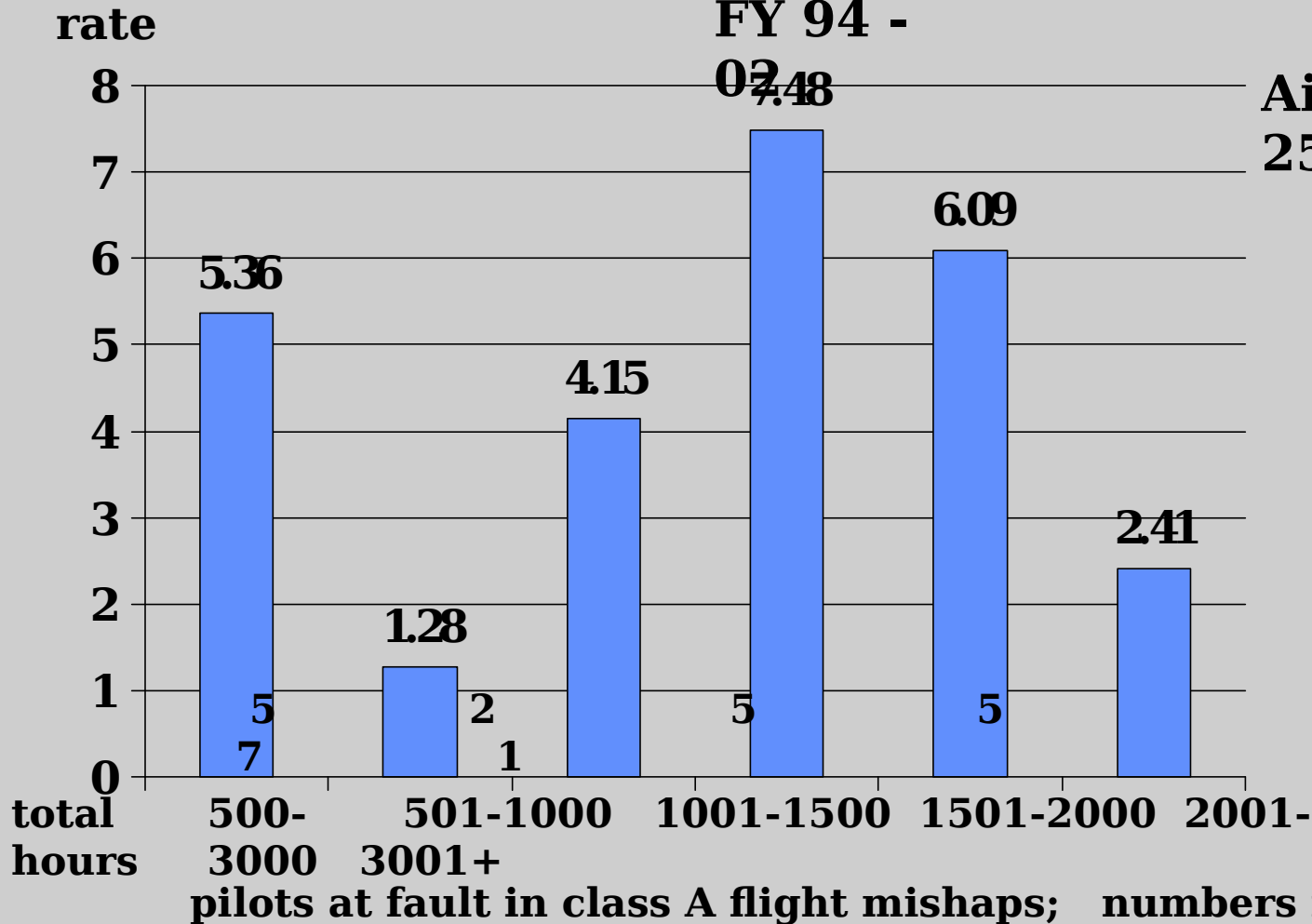
100-1500 1501+ 101-300 301-500 501-1000 1001-

pilots at fault in class A flight mishaps; numbers inside bars

FY 94 -

02.48

Aircrew rate = 4
25 pilots



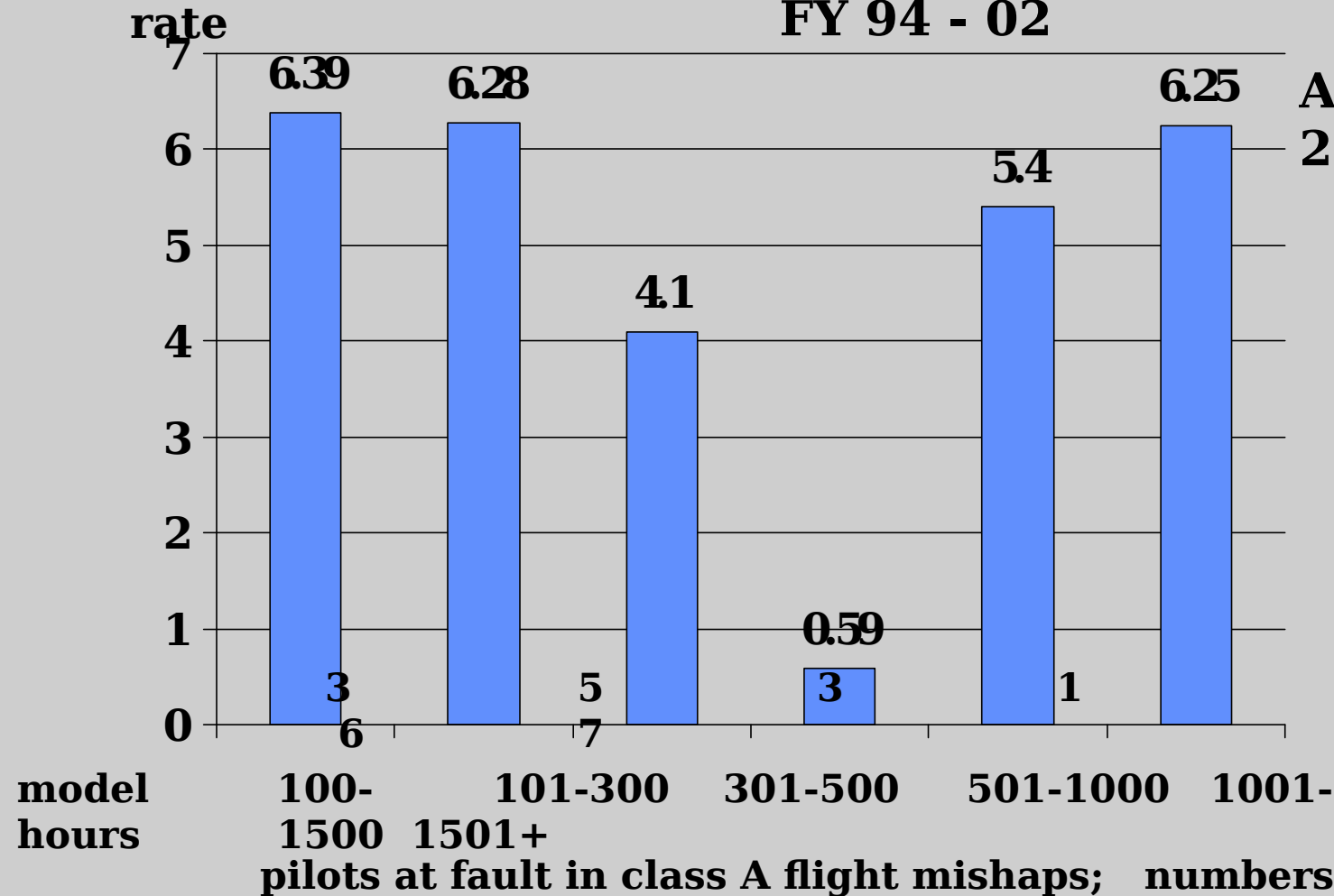
model lifetime hours vs aircrew factor mishap rates

F - 14

FY 94 - 02

rate

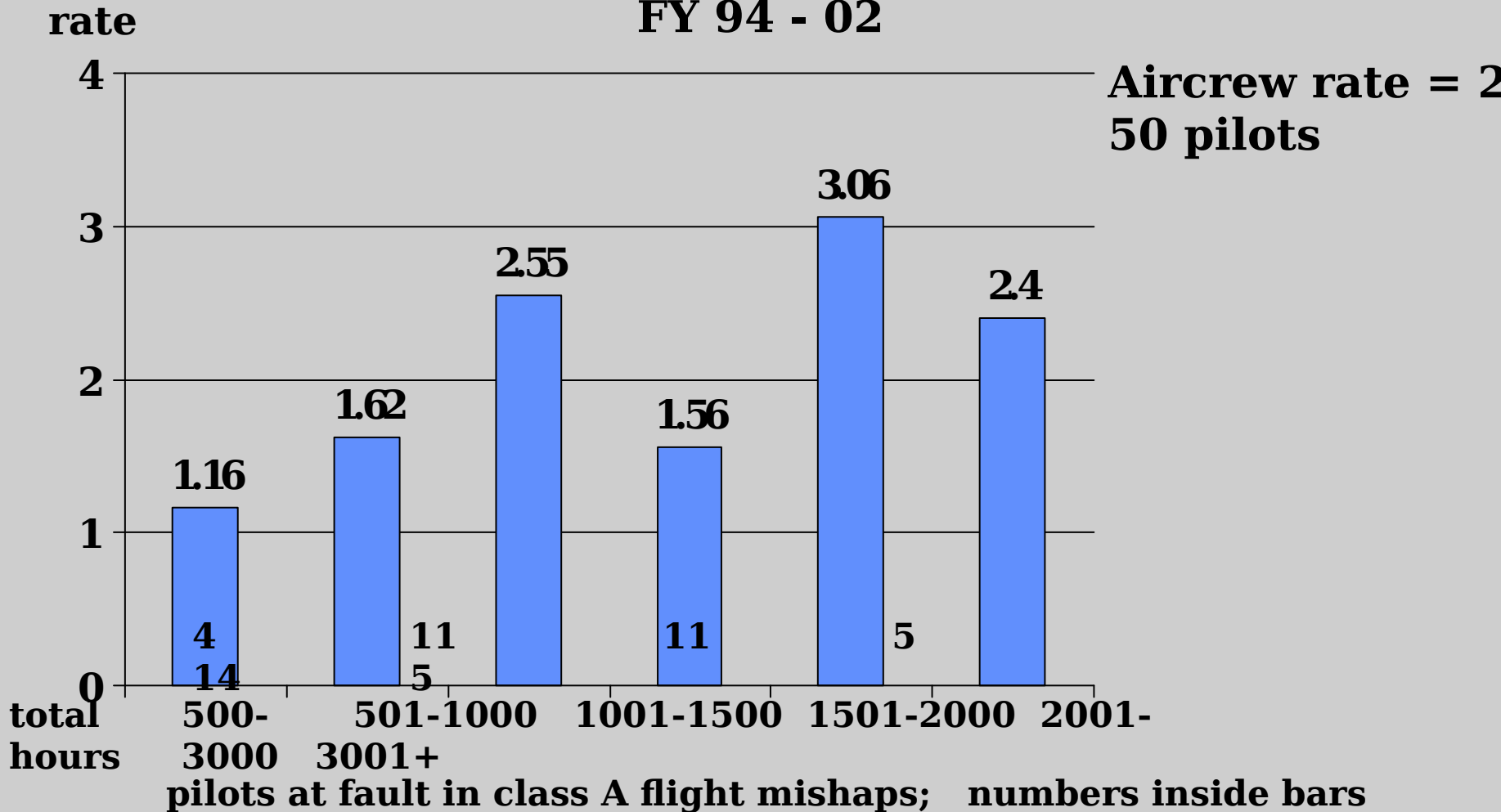
Aircrew rate = 4
25 pilots



total lifetime hours vs aircrew factor mishap rates

F/A - 18

FY 94 - 02



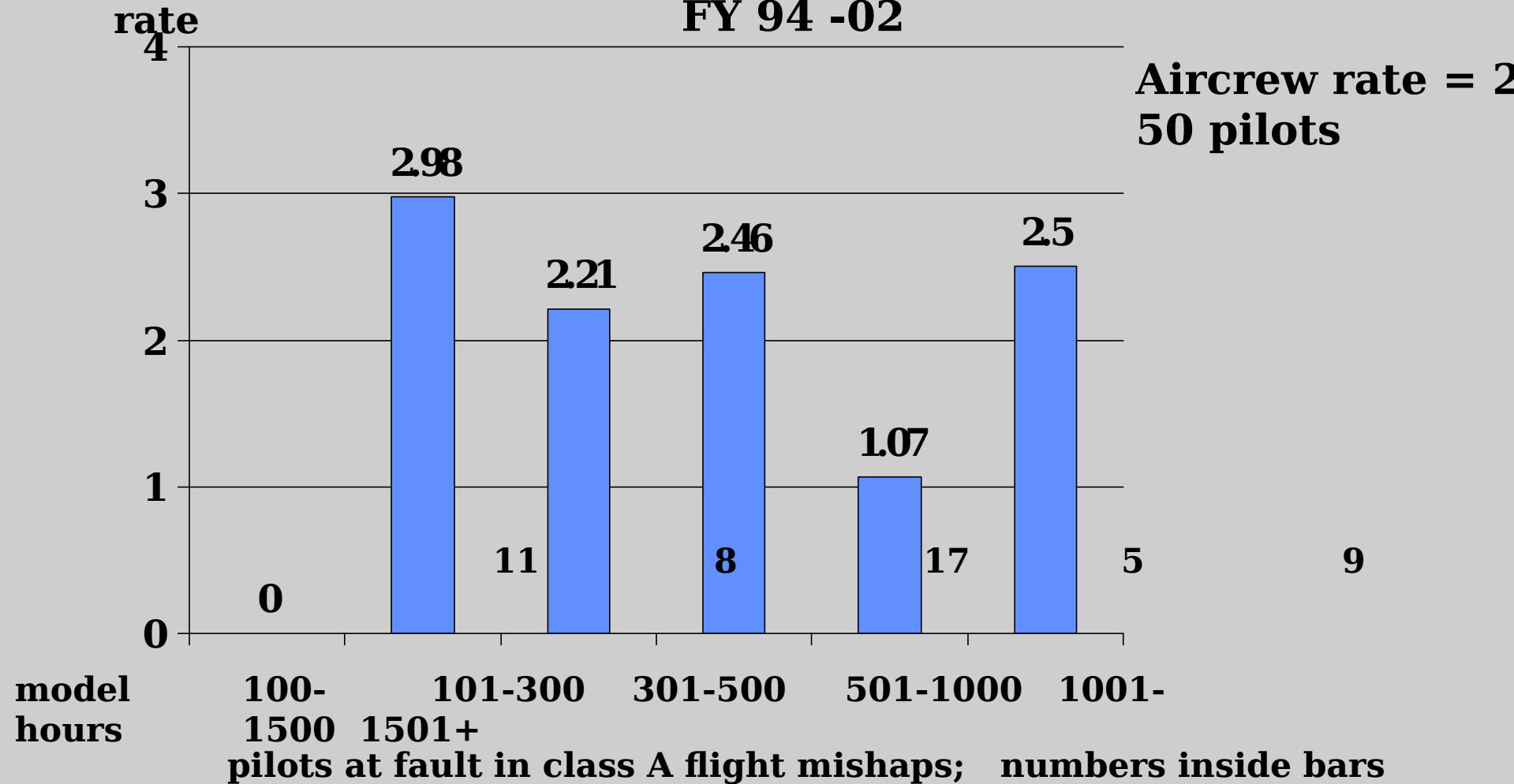
model lifetime hours vs aircrew factor mishap rates

F/A - 18

FY 94 -02

rate

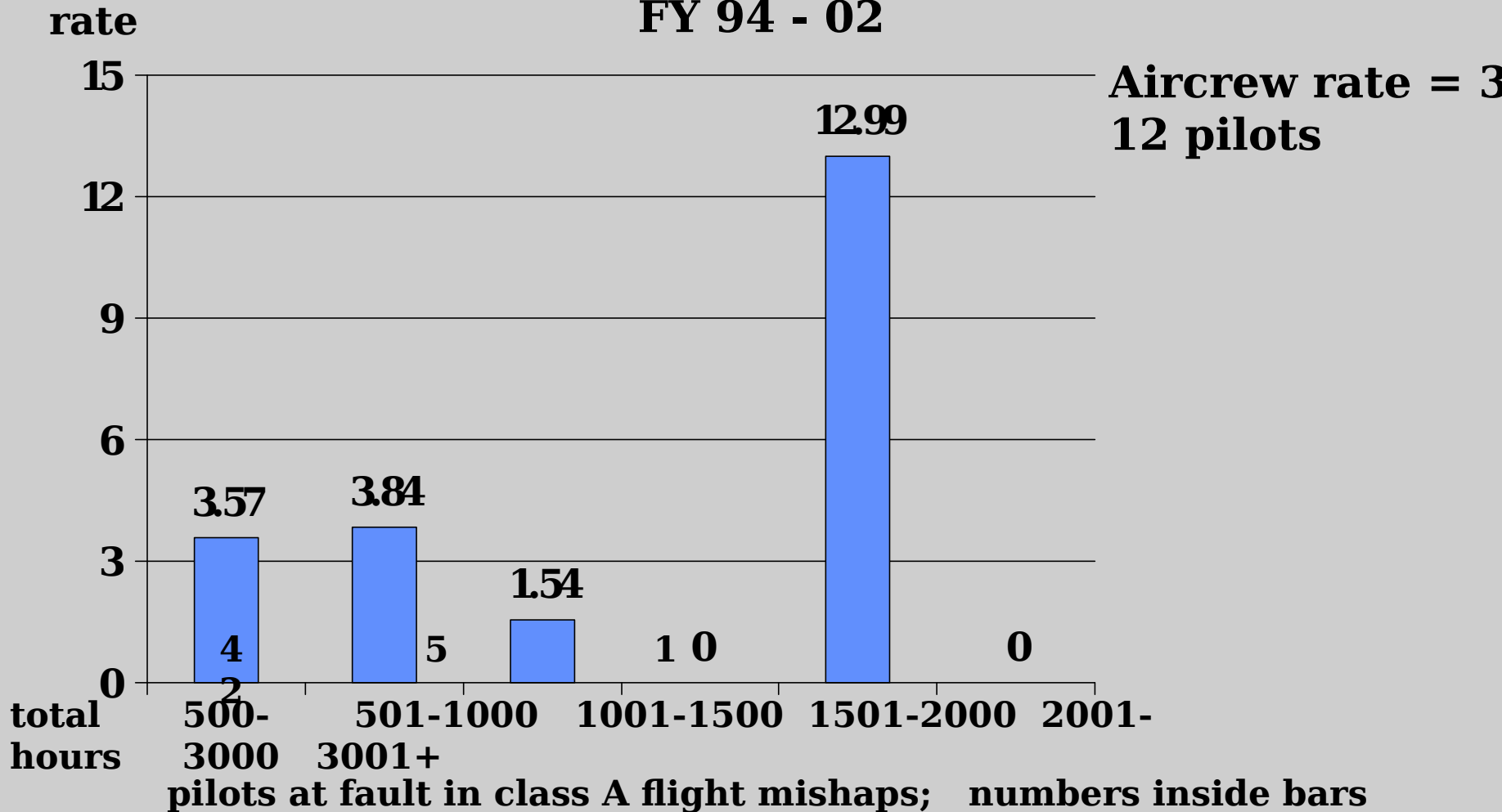
Aircrew rate = 2
50 pilots



total lifetime hours vs aircrew factor mishap rates

AV - 8

FY 94 - 02



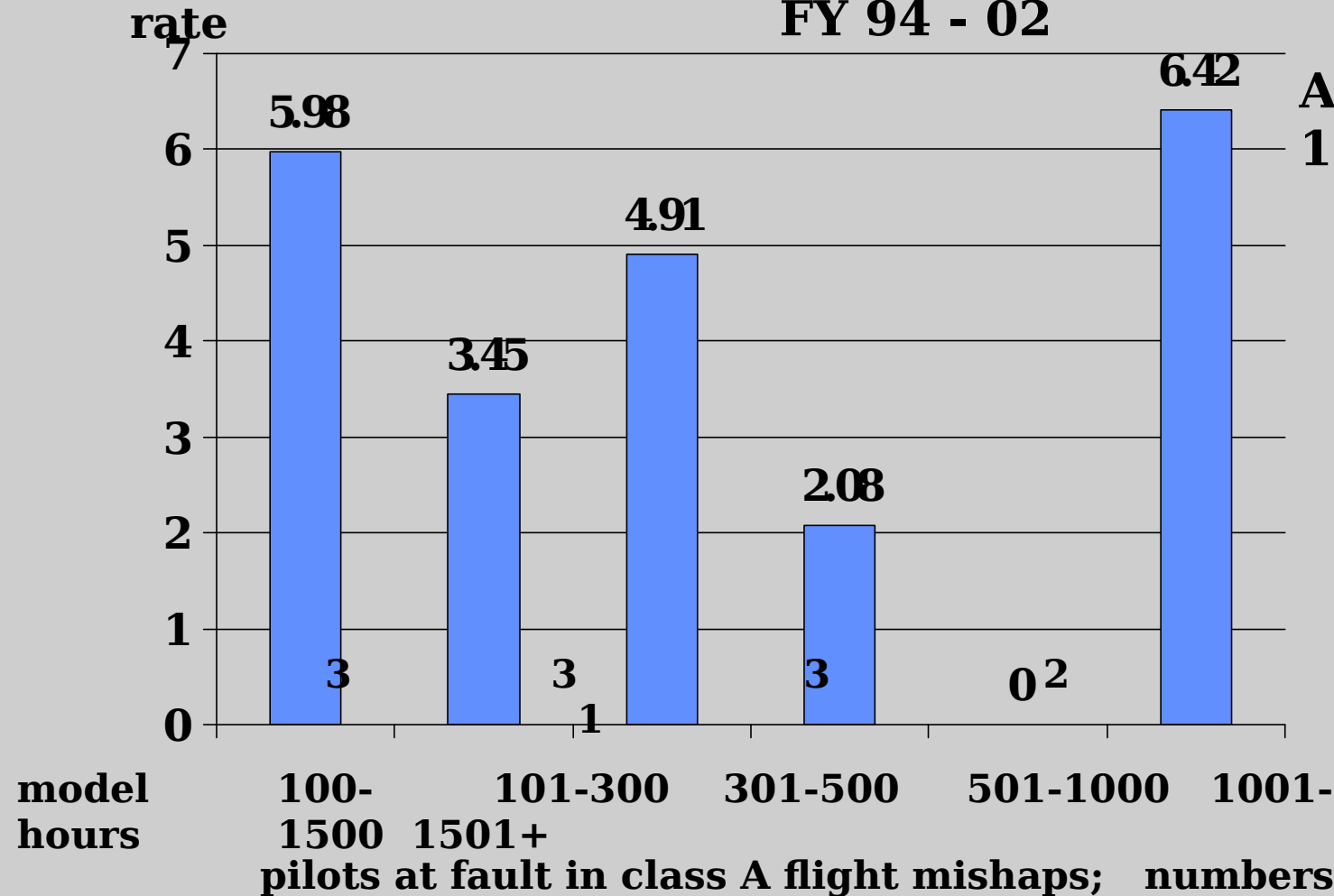
model lifetime hours vs aircrew factor mishap rates

AV - 8

FY 94 - 02

rate

Aircrew rate = 3
12 pilots



AV - 8
FY 94 - 02